

is available, the station may be operated without the defective instrument pending its repair or replacement for a period not in excess of 60 days without further authority of the FCC, provided that:

(1) If the defective instrument is the transmission line meter used for determining the output power by the direct method, the operating power shall be determined or maintained by the indirect method whenever possible or by using the operating parameters of the last radio stage of the transmitter during the time the station is operated without the transmission line meter.

(2) If conditions beyond the control of the licensee prevent the restoration of the meter to service within the above allowed period, informal request in accordance with § 73.3549 may be filed with the Engineer in Charge of the radio district in which the station is located for such additional time as may be required to complete repairs of the defective instrument.

[41 FR 36818, Sept. 1, 1976, as amended at 48 FR 38480, Aug. 24, 1983; 49 FR 50048, Dec. 26, 1984; 50 FR 26568, June 27, 1985]

**§ 73.691 Visual modulation monitoring.**

(a) Each TV station must have measuring equipment for determining that the transmitted visual signal conforms to the provisions of this subpart. The licensee shall decide the monitoring

and measurement methods or procedures for indicating and controlling the visual signal.

(b) In the event technical problems make it impossible to operate in accordance with the timing and carrier level tolerance requirements of § 73.682 (a)(9)(i), (a)(9)(ii), (a)(12), (a)(13), and (a)(17), a TV broadcast station may operate at variance for a period of not more than 30 days without specific authority from the FCC: *provided that*, the date and time of the initial out-of-tolerance condition has been entered in the station log. If the operation at variance will exceed 10 consecutive days, a notification must be sent to the FCC in Washington, D.C., not later than the 10th day of such operation. In the event normal operation is resumed prior to the end of the 30 day period, the licensee must notify the FCC upon restoration of normal operation. If causes beyond the control of the licensee prevent restoration of normal operation within 30 days, a written request must be made to the FCC in Washington, D.C., no later than the 30th day for such additional time as may be necessary.

[60 FR 55480, Nov. 1, 1995]

**§ 73.698 Tables.**

TABLE I [RESERVED]

TABLE II

(1)—Channel	(2)—31.4 kilometers (19.5 miles) if beat	(3)—31.4 kilometers (19.5 miles) inter-modulation	(4)—87.7 kilometers (54.5 miles) adjacent channel	(5)—95.7 kilometers (59.5 miles) oscillator	(6)—95.7 kilometers (59.5 miles) sound image	(7)—119.9 kilometers (74.5 miles) picture image
14 .....	22	16–19	15	21	28	29
15 .....	23	17–20	14, 16	22	29	30
16 .....	24	14, 18–21	15, 17	23	30	31
17 .....	25	14–15, 19–22	16, 18	24	31	32
18 .....	26	14–16, 20–23	17, 19	25	32	33
19 .....	27	14–17, 21–24	18, 20	26	33	34
20 .....	28	15–18, 22–25	19, 21	27	34	35
21 .....	29	16–19, 23–26	20, 22	28, 14	35	36
22 .....	30, 14	17–20, 24–27	21, 23	29, 15	36	37
23 .....	31, 15	18–21, 25–28	22, 24	30, 16	37	38
24 .....	32, 16	19–22, 26–29	23, 25	31, 17	38	39
25 .....	33, 17	20–23, 27–30	24, 26	32, 18	39	40
26 .....	34, 18	21–24, 28–31	25, 27	33, 19	40	41
27 .....	35, 19	22–25, 29–32	26, 28	34, 20	41	42
28 .....	36, 20	23–26, 30–33	27, 29	35, 21	42, 14	43
29 .....	37, 21	24–27, 31–34	28, 30	36, 22	43, 15	44, 14
30 .....	38, 22	25–28, 32–35	29, 31	37, 23	44, 16	45, 15
31 .....	39, 23	26–29, 33–36	30, 32	38, 24	45, 17	46, 16
32 .....	40, 24	27–30, 34–37	31, 33	39, 25	46, 18	47, 17
33 .....	41, 25	28–31, 35–38	32, 34	40, 26	47, 19	48, 18

TABLE II—Continued

(1)—Channel	(2)—31.4 kilometers (19.5 miles) If beat	(3)—31.4 kilometers (19.5 miles) inter-modulation	(4)—87.7 kilometers (54.5 miles) adjacent channel	(5)—95.7 kilometers (59.5 miles) oscillator	(6)—95.7 kilometers (59.5 miles) sound image	(7)—119.9 kilometers (74.5 miles) picture image
34 .....	42, 26	29–32, 36–39	33, 35	41, 27	48, 20	49, 19
35 .....	43, 27	30–33, 37–40	34, 36	42, 28	49, 21	50, 20
36 .....	44, 28	31–34, 38–41	35, 37	43, 29	50, 22	51, 21
37 .....	45, 29	32–35, 39–42	36, 38	44, 30	51, 23	52, 22
38 .....	46, 30	33–36, 40–43	37, 39	45, 31	52, 24	53, 23
39 .....	47, 31	34–37, 41–44	38, 40	46, 32	53, 25	54, 24
40 .....	48, 32	35–38, 42–45	39, 41	47, 33	54, 26	55, 25
41 .....	49, 33	36–39, 43–46	40, 42	48, 34	55, 27	56, 26
42 .....	50, 34	37–40, 44–47	41, 43	49, 35	56, 28	57, 27
43 .....	51, 35	38–41, 45–48	42, 44	50, 36	57, 29	58, 28
44 .....	52, 36	39–42, 46–49	43, 45	51, 37	58, 30	59, 29
45 .....	53, 37	40–43, 47–50	44, 46	52, 38	59, 31	60, 30
46 .....	54, 38	41–44, 48–51	45, 47	53, 39	60, 32	61, 31
47 .....	55, 39	42–45, 49–52	46, 48	54, 40	61, 33	62, 32
48 .....	56, 40	43–46, 50–53	47, 49	55, 41	62, 34	63, 33
49 .....	57, 41	44–47, 51–54	48, 50	56, 42	63, 35	64, 34
50 .....	58, 42	45–48, 52–55	49, 51	57, 43	64, 36	65, 35
51 .....	59, 43	46–49, 53–56	50, 52	58, 44	65, 37	66, 36
52 .....	60, 44	47–50, 54–57	51, 53	59, 45	66, 38	67, 37
53 .....	61, 45	48–51, 55–58	52, 54	60, 46	67, 39	68, 38
54 .....	62, 46	49–52, 56–59	53, 55	61, 47	68, 40	69, 39
55 .....	63, 47	50–53, 57–60	54, 56	62, 48	69, 41	70, 40
56 .....	64, 48	51–54, 58–61	55, 57	63, 49	70, 42	71, 41
57 .....	65, 49	52–55, 59–62	56, 58	64, 50	71, 43	72, 42
58 .....	66, 50	53–56, 60–63	57, 59	65, 51	72, 44	73, 43
59 .....	67, 51	54–57, 61–64	58, 60	66, 52	73, 45	74, 44
60 .....	68, 52	55–58, 62–65	59, 61	67, 53	74, 46	75, 45
61 .....	69, 53	56–59, 63–66	60, 62	68, 54	75, 47	76, 46
62 .....	70, 54	57–60, 64–67	61, 63	69, 55	76, 48	77, 47
63 .....	71, 55	58–61, 65–68	62, 64	70, 56	77, 49	78, 48
64 .....	72, 56	59–62, 66–69	63, 65	71, 57	78, 50	79, 49
65 .....	73, 57	60–63, 67–70	64, 66	72, 58	79, 51	80, 50
66 .....	74, 58	61–64, 68–71	65, 67	73, 59	80, 52	81, 51
67 .....	75, 59	62–65, 69–72	66, 68	74, 60	81, 53	82, 52
68 .....	76, 60	63–66, 70–73	67, 69	75, 61	82, 54	83, 53
69 .....	77, 61	64–67, 71–74	68, 70	76, 62	83, 55	54

NOTE: The parenthetical reference beneath the mileage figures in columns 2 through 7, inclusive, indicate, in abbreviated form, the bases for the required mileage separations. For a discussion of these bases, see the "Sixth Report and Order" of the Commission (FCC 52–294; 17 FR 3905, May 2, 1952). The hyphenated numbers listed in column (3) are both inclusive.

[28 FR 13660, Dec. 14, 1963, as amended at 39 FR 20377, June 10, 1974; 47 FR 35990, Aug. 18, 1982; 50 FR 23701, June 5, 1985; 54 FR 9807, Mar. 8, 1989]

#### § 73.699 TV engineering charts.

This section consists of the following Figures 1–5, 5a, 6–10, 10a–10e, 11–12, 13–16.

NOTE: The charts as reproduced herein, due to their small scale, are not to be used in connection with material submitted to the F.C.C.